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# Water Supply Outlook For Utah



SOIL CONSERVATION SERVICE  
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

UTAH STATE DEPARTMENT of NATURAL RESOURCES

AS OF  
JAN. 1, 1980

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*COVER PHOTO: THE SNOTEL PROJECT CENTRAL COMPUTER FACILITIES IN PORTLAND, OREGON. THE TERMINAL, PRINTER, COMPUTER AND TAPE DRIVES HAVE NOT COMPLETELY REPLACED THE SNOW SAMPLING TUBES SEEN IN THE FOREGROUND.*

## PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

## PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



# **WATER SUPPLY OUTLOOK FOR UTAH**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

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*In Cooperation with*

**UTAH STATE DEPT. OF NATURAL RESOURCES**

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*Report prepared by*

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SOIL CONSERVATION SERVICE  
SNOW SURVEY SECTION  
4420 FEDERAL BUILDING  
SALT LAKE CITY, UTAH 84138



IF YOU WERE UNABLE TO ATTEND ONE OF THE SCHEDULED SNOW SURVEY PUBLIC PARTICIPATION MEETINGS BUT WANT TO STATE YOUR OPINION ON THE FUTURE STATUS OF THE SNOW SURVEY AND WATER SUPPLY FORECASTING PROGRAM, PLEASE WRITE YOUR COMMENTS IN THE SPACE PROVIDED BELOW. IF YOU ATTENDED ONE OF THE MEETINGS BUT WISH TO COMMENT FURTHER, PLEASE DO SO. YOUR PARTICIPATION AND COOPERATION IS GREATLY APPRECIATED.

NOTE: In our letter to you dated December 20, 1979, we provided you with a brief fact sheet on the existing program in Utah and a listing of some of the possible alternatives for conducting the program in the future. If you did not receive this information, we would be happy to provide copies. Our telephone number is 524-5051. Ask for Beverly Miller or Bob Whaley.

Name \_\_\_\_\_

Address \_\_\_\_\_

## COMMENTS

Organization \_\_\_\_\_

SOIL CONSERVATION SERVICE  
Rm. 4012 Federal Building  
125 South State Street  
Salt Lake City, UT 84138

# FIRST CLASS MAIL



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SOIL CONSERVATION SERVICE  
Federal Bldg. - Room 4012  
Salt Lake City, Utah 84138  
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PENALTY FOR PRIVATE USE, \$300

# WATER SUPPLY OUTLOOK

as of  
January 1, 1980

### SNOW COVER

Snow surveys taken the last week of December were generally well below average although much better than for January 1, 1977.

Basin snow cover averages range from only 51% on the Bear River to 109% for the head of the Escalante River at Widtsoe #3 snow course. The Ogden Basin is 58% of average, Weber and Provo 64%, Salt Lake Front 62%, Duchesne 66%, Price 67%, San Rafael 83%, Muddy 78%, Beaver 76%, Upper Sevier 61%, Lower Sevier 98% and Virgin 63% of the January 1 average.

On the average statewide, we should have 42% of our normal April 1 accumulation on the ground by January 1. This year we have only 27% on the ground which means we will need to make up 15% by April 1 to have an average year for snow water content.

This year the SNOTEL radio system has 48 stations operational in Utah. Daily readings will be tabulated and published monthly in graphical form in the Water Supply Bulletin. In addition to the monthly graphs on these sites, a weekly SNOTEL update will be sent to those needing a more frequent update on snow pack conditions.

## PRECIPITATION

Fall precipitation at mountain stations follows the general snow cover pattern since very little rain fell prior to the first snow on October 18. Most stations were 30 to 70% of the October-December average with a few stations near average in Central Utah and a few above average on the extreme eastern end of the Uintahs above Manila.

## SOIL MOISTURE

Watershed soils are generally much drier than usual due to the lack of precipitation prior to the first snow on October 18.

## RESERVOIR STORAGE

Storage in 24 of Utah's key irrigation reservoirs is 97% of the 15 year average and only 3% less than last year statewide. A few reservoirs were drawn down to low levels as a result of the lack of precipitation last

## WATER SUPPLY OUTLOOK (continued)

summer and fall and now range from 39% (Moon Lake) to 72% (Echo). These reservoirs may not fill unless above average snow increases are received between now and April 1.

### STREAMFLOW FORECASTS

Streamflow forecasts are published in this January 1 bulletin for the first time. These forecasts are published as an early guide to this year's water supply and may change significantly by February 1 if January snow accumulations differ greatly from the average.

The forecasts for spring and summer streamflow range from 33% for the Bear at Randolph to 120% for the San Juan at Bluff. Other key forecasts are as follows: Bear at Hager 39%, Logan 77%, Pineview Inflow 72%, Weber at Oakley 78%, Strawberry Inflow 58%, Lakefork Creek 72%, Ashley Creek 78%, Scofield Inflow 83%, Huntington Creek 86%, Ferron at Muddy Creek 100%, Sevier at Hatch 85%, Virgin at Hurricane 85% and Beaver River 92%. Individual forecast volumes are in the tables covered by the section of the bulletin representing that area of the state.

Individual water supplies may be better or worse than the forecast percentages indicate depending on the water rights of the individual water users.

## RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

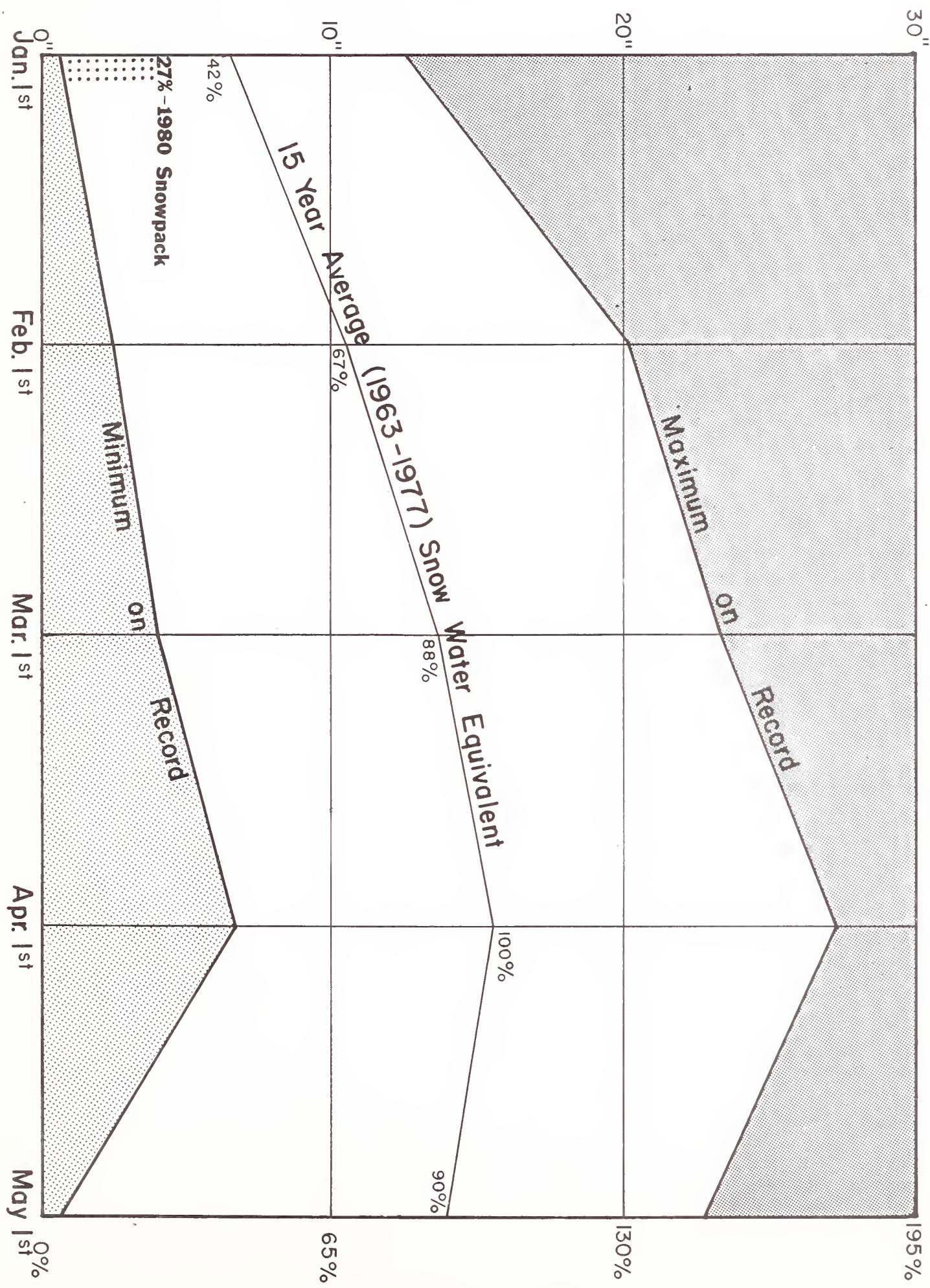
Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average <sup>+</sup>
<b>GREAT BASIN</b>					
<u>Bear River</u>	Bear Lake	1,421.0	937.8	978.9	1,035.4
	Woodruff Narrows	26.5	6.5	18.5e	18.1
	Birch Creek	2.2	--	--	--
	Woodruff Creek	4.0	--	--	--
<u>Beaver River</u>	Minersville (Rky Fd)	23.3	14.2	10.6	10.0
<u>Little Bear</u>	Hyrum	15.3	10.1	10.2	10.4
	Porcupine	11.3	0.9	2.5	2.7
	Causey	6.9	1.9	1.7	1.8b
	Pineview	110.1	61.2	58.0	52.1
<u>Provo</u>	Deer Creek	149.7	88.7	87.6	107.3
<u>Settlement Creek</u>	Settlement Creek	1.2	0.4	0.5	--
	Vernon Creek	0.6	0.5	0.5	--
	Gunnison	18.2	5.7	7.3	9.7
	Otter Creek	52.5	37.5	17.2	26.0
	Piute	71.8	45.2	18.5	32.2
	Sevier Bridge	236.0	95.4	48.2	99.0
<u>Spanish Fork</u>	Strawberry	270.0	152.6	157.4	147.8
<u>Utah Lake</u>	Utah Lake	883.9	647.6	742.1	639.3
<u>Weber</u>	East Canyon	48.1	27.6	35.0	26.6
	Echo	73.9	31.8	57.8	44.4
	Lost Creek	20.0	12.8	14.4	12.6b
	Rockport	60.9	30.2	39.4	37.9
	Willard Bay	193.3	166.4	159.6	121.6b
<b>COLORADO RIVER BASIN</b>					
<u>Ashley Creek</u>	Steinaker	33.3	12.2	10.0	19.0
<u>Colorado</u>	Blue Mesa	829.5	580.0	594.4	--
	Lake Powell	25,002.0	20,854.0	15,686.0	--
<u>Green</u>	Flaming Gorge	3,749.0	2,397.0	2,673.3	--
<u>Lakefork</u>	Moon Lake	35.8	5.8	5.0	15.0
<u>Price River</u>	Scofield	65.8	41.5	38.6	33.7
<u>San Juan</u>	Navajo	1,696.0	1,234.0	1,196.0	--
<u>San Rafael</u>	Huntington North	3.9	1.5	1.0	1.7

## RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average <sup>†</sup>
San Rafael (cont.)	Joe's Valley	54.6	32.8	35.1	35.1b
	Mill Site	16.7	3.7	5.3	--
Strawberry	Starvation	165.3	16.1	136.9	--
Uintah	Bottle Hollow	11.3	10.2	9.5	9.8b

# UTAH'S WINTER SNOWPACK

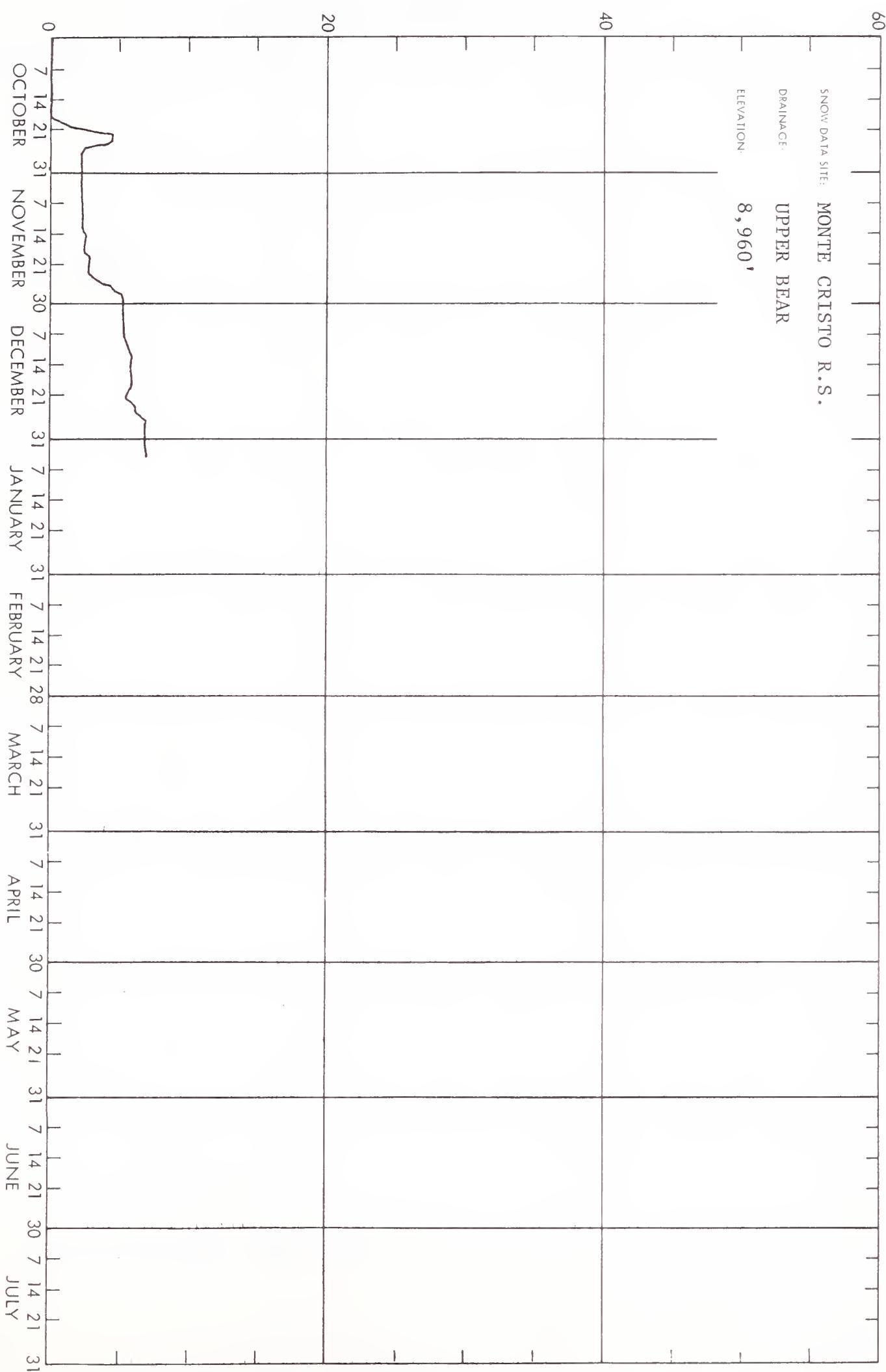
Data based on 51 selected snow courses



## PERCENT OF APRIL 1<sup>ST</sup> SNOW WATER EQUIVALENT



## INCHES OF WATER IN SNOWPACK



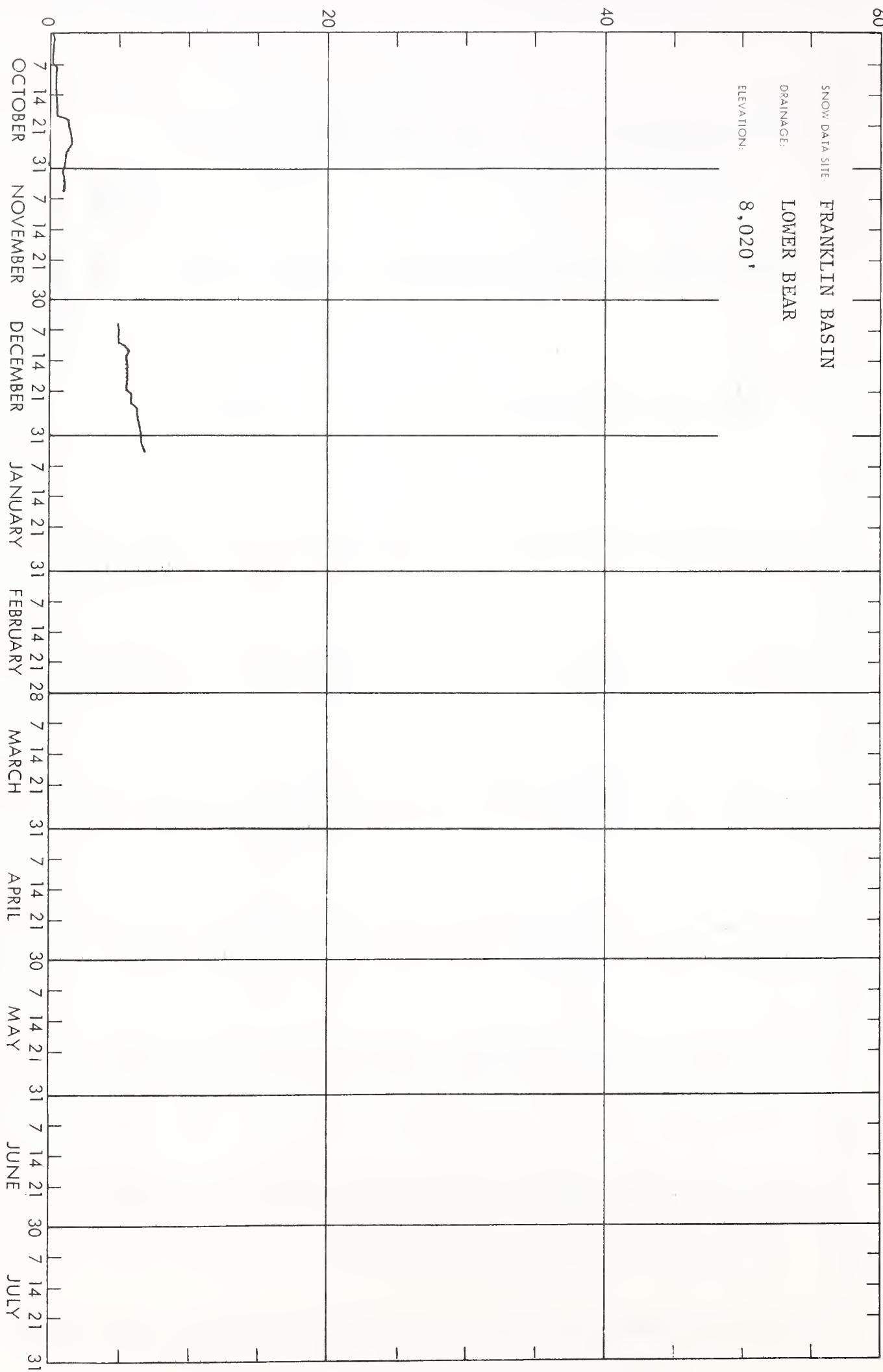
### INCHES OF WATER IN SNOWPACK

60

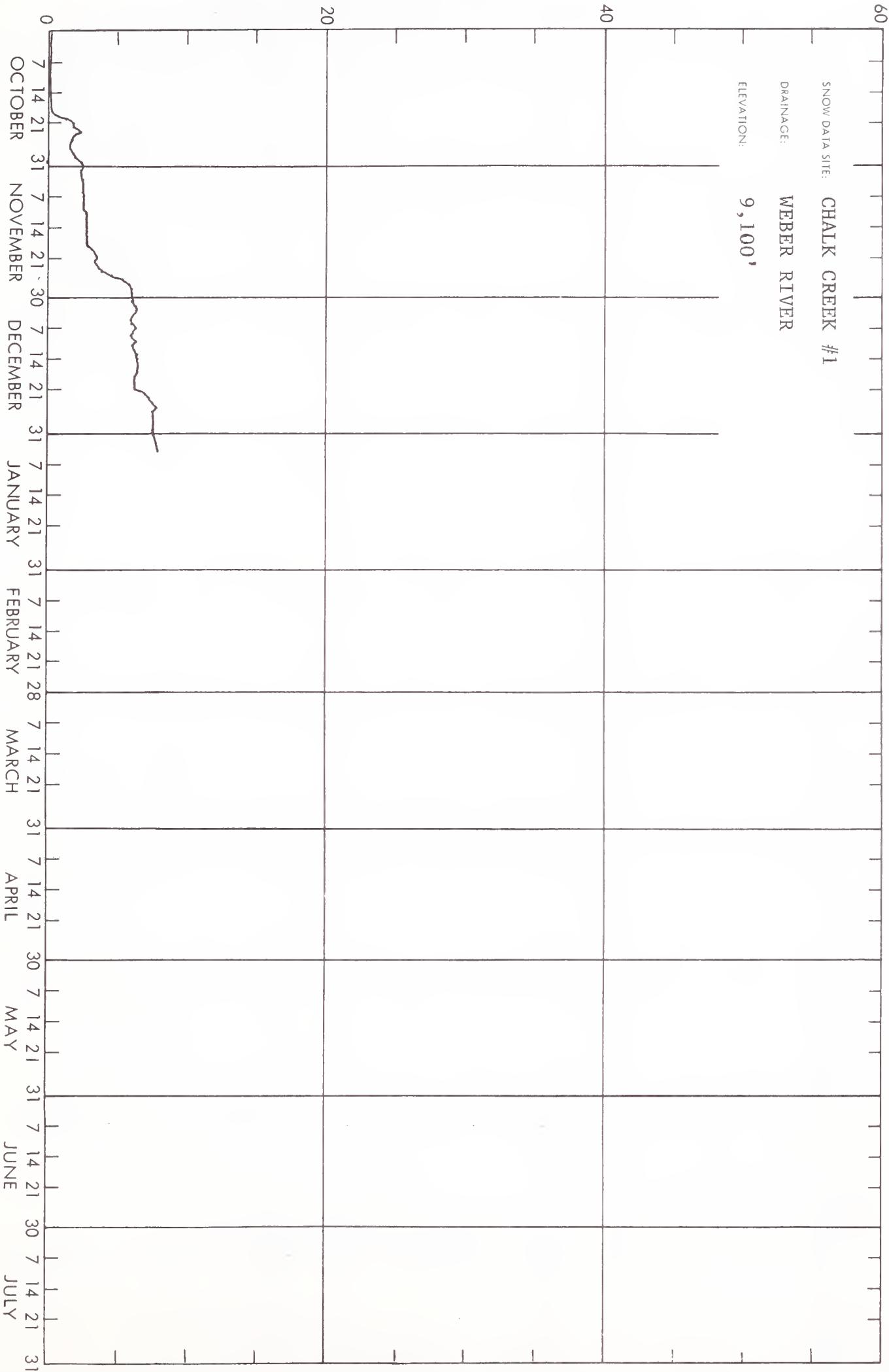
SNOW BAIA SITE  
FRANKLIN BASIN

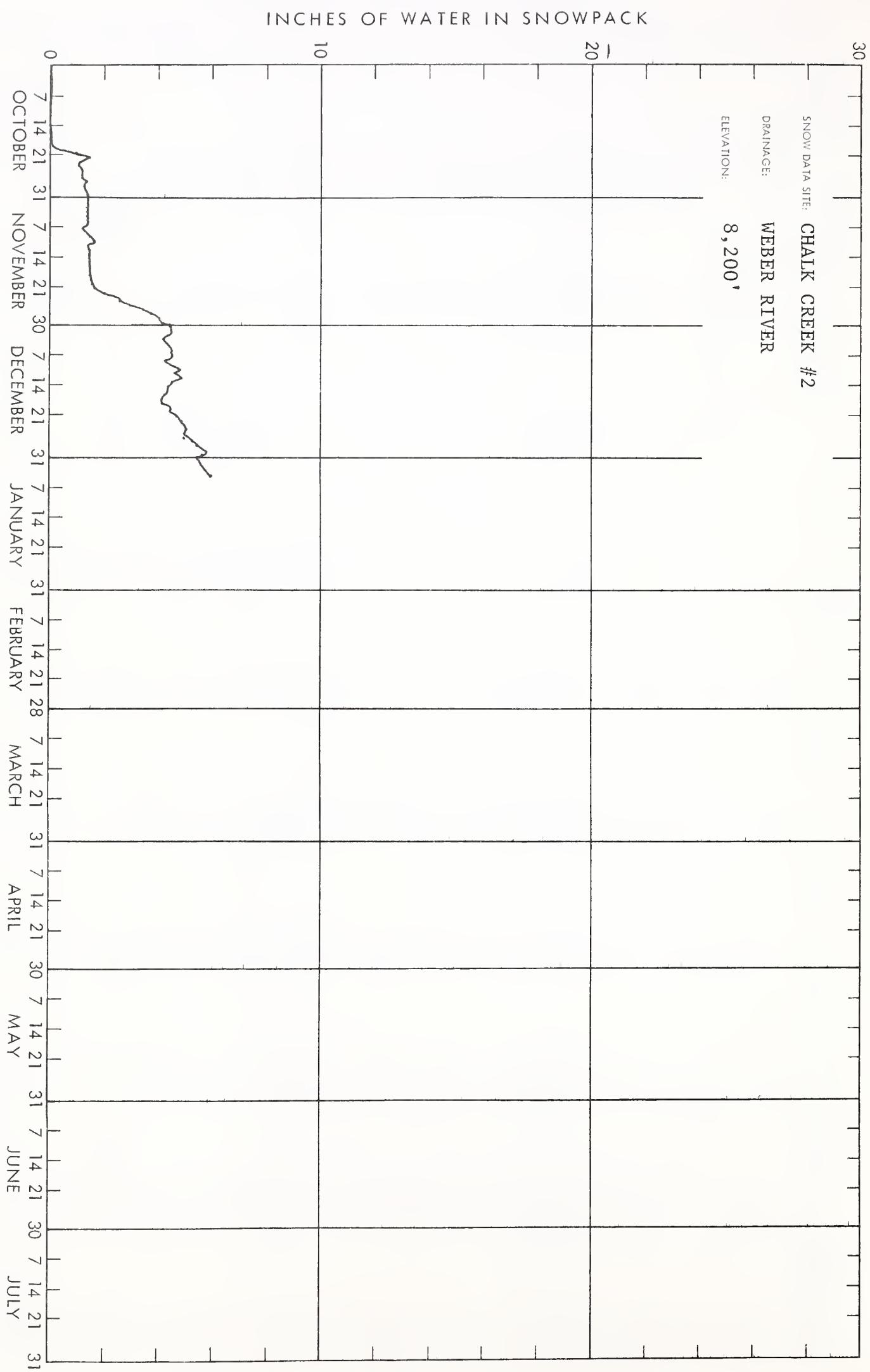
## DRAINAGE: LOWER BEAR

ELEVATION: 8,020'

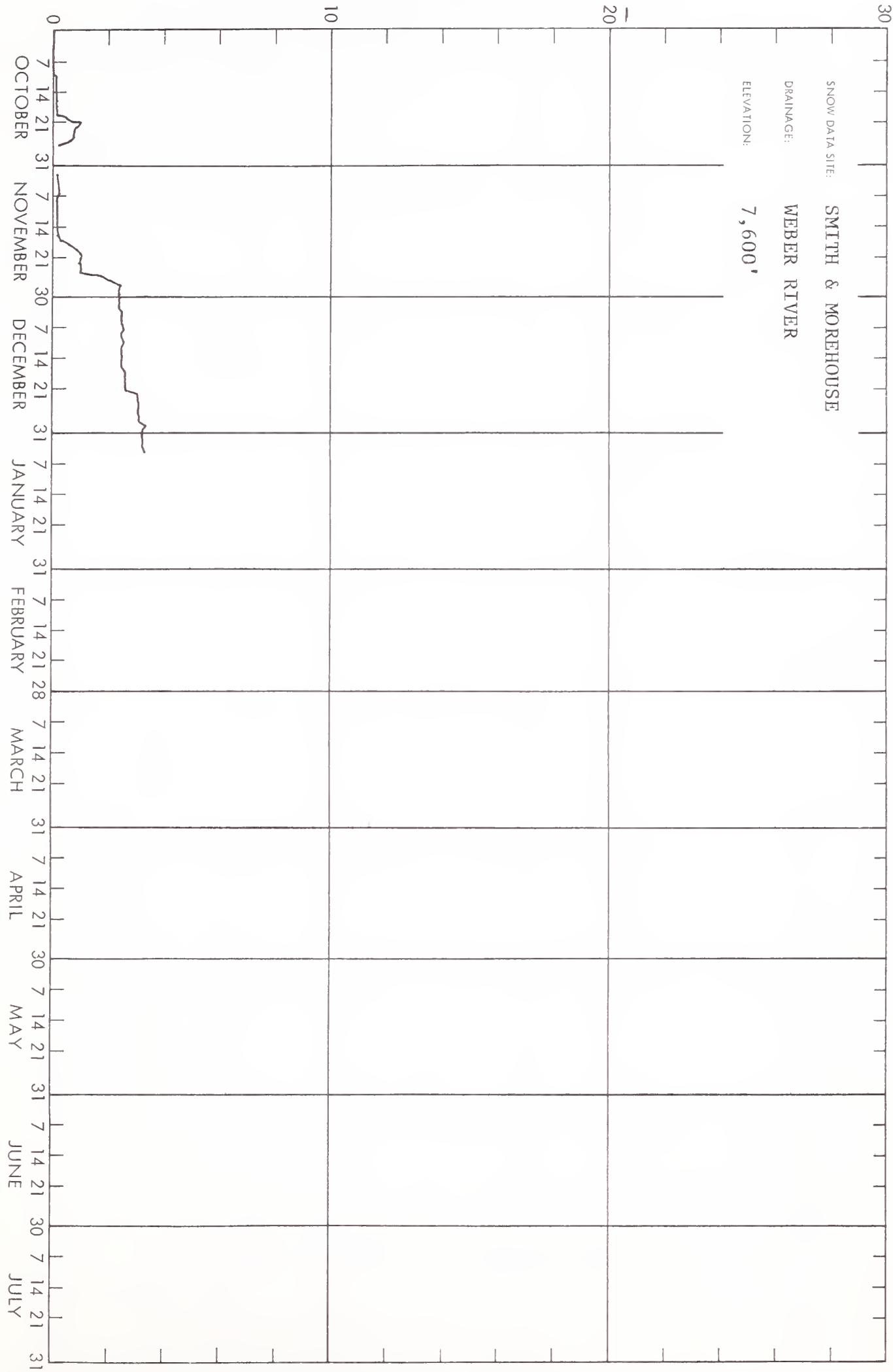


## INCHES OF WATER IN SNOWPACK

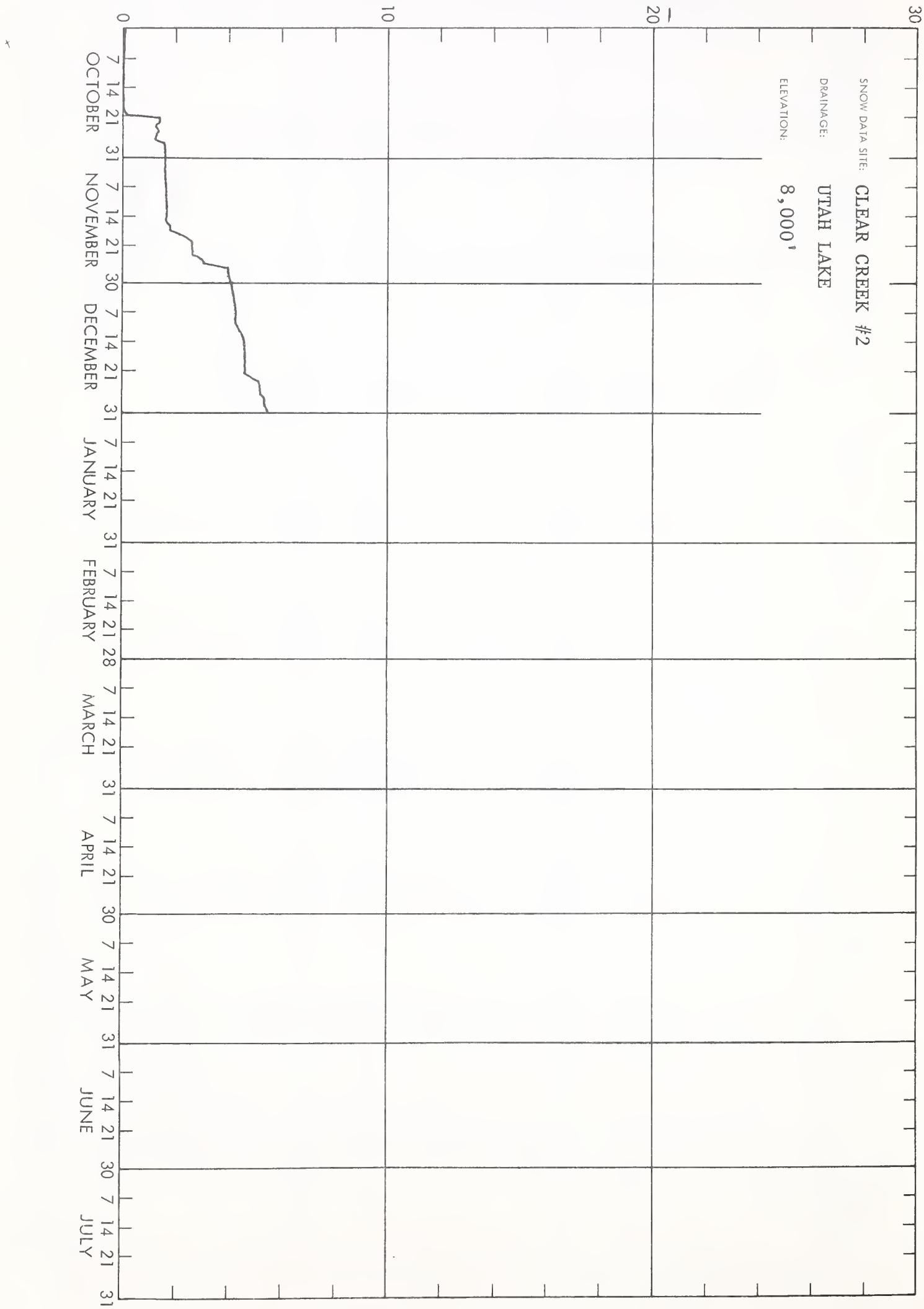




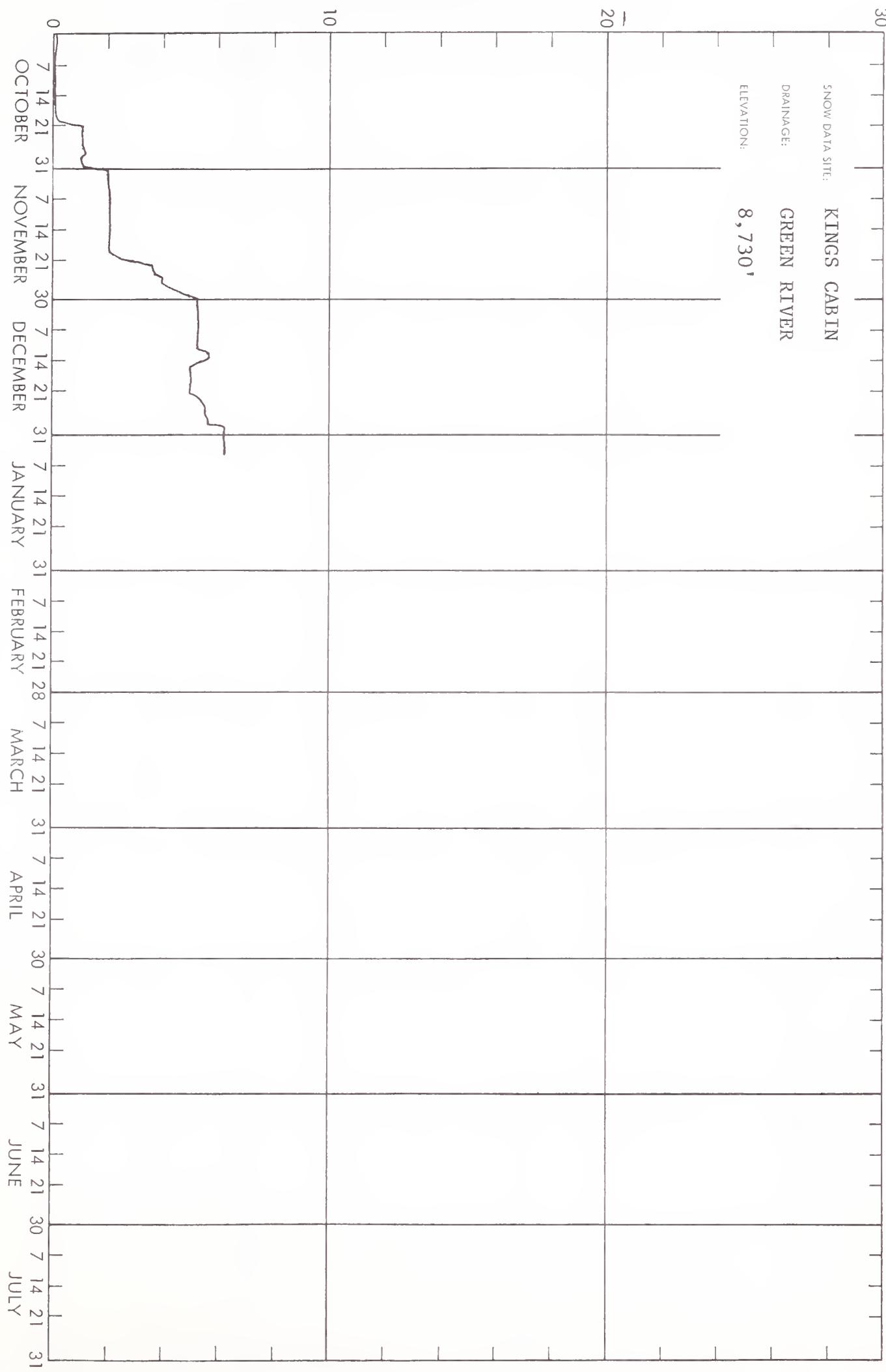
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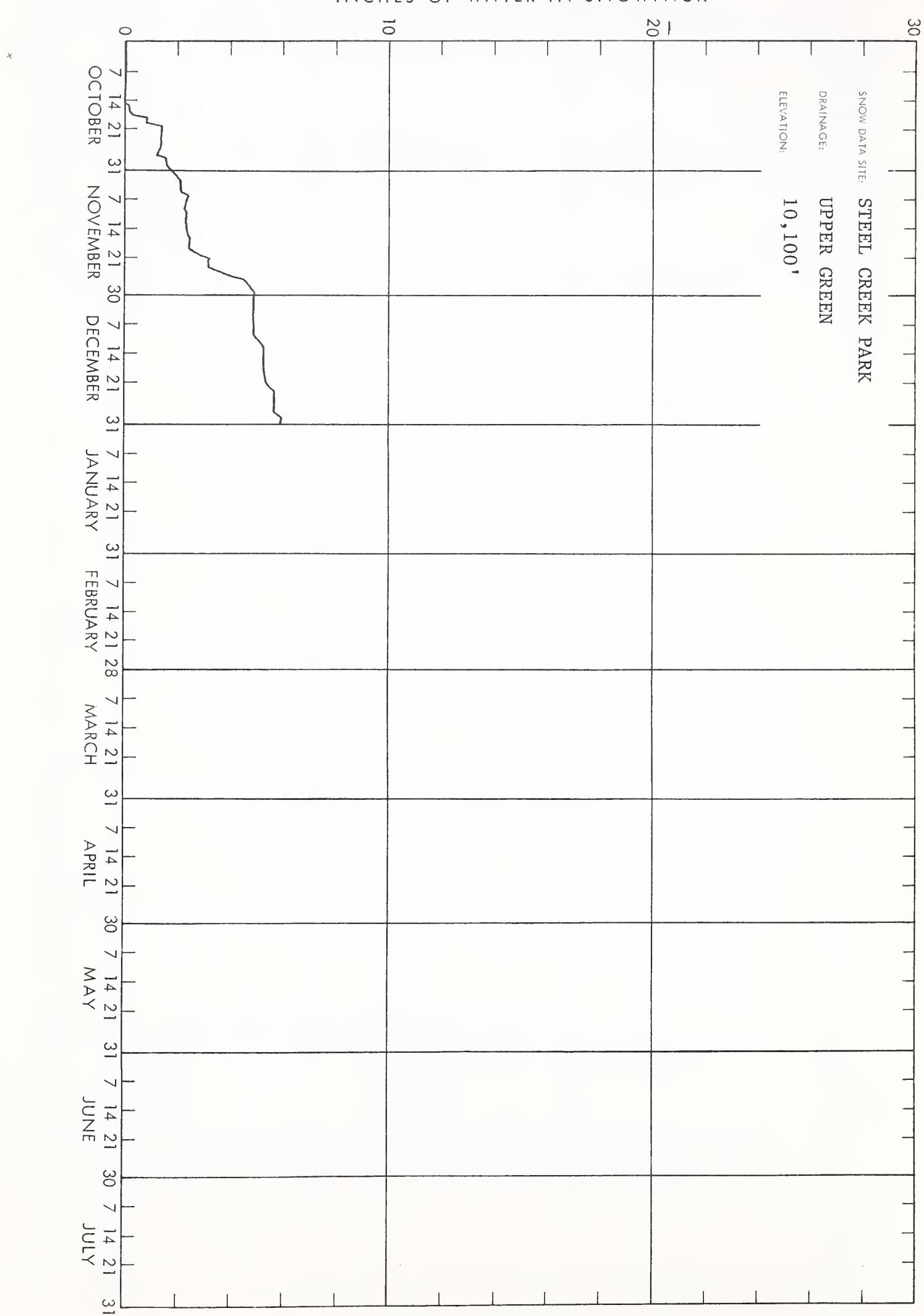
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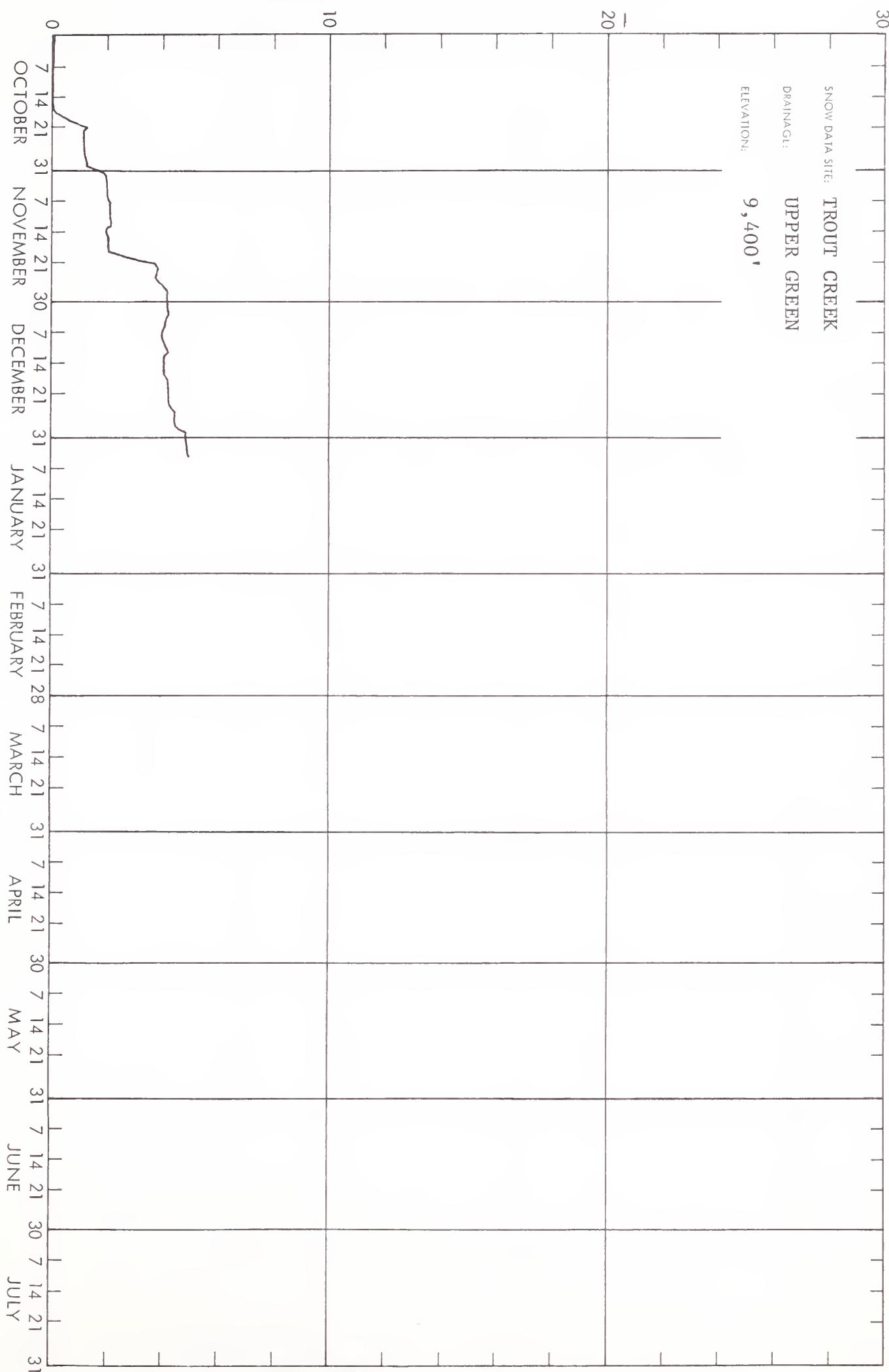
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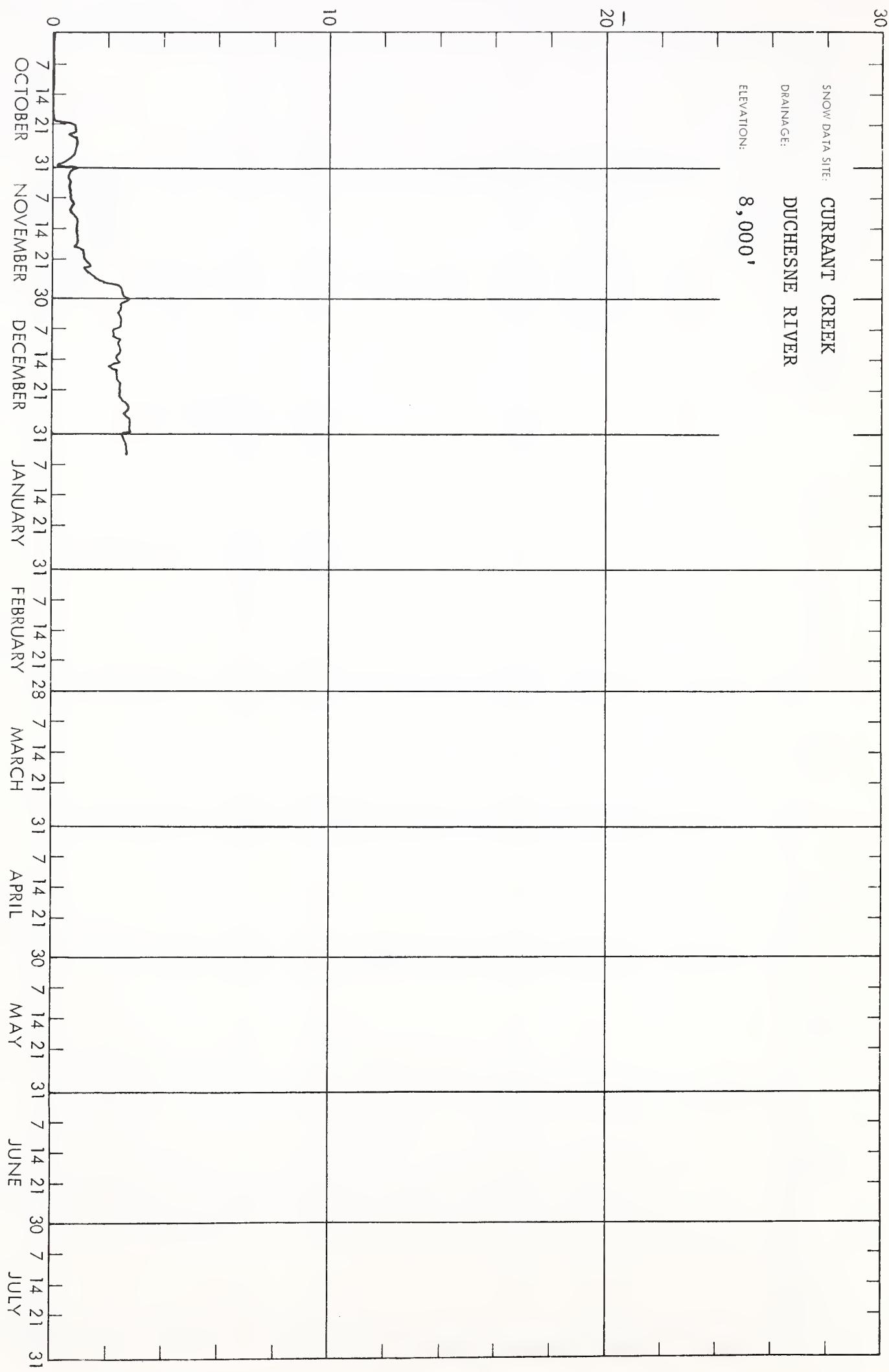
## INCHES OF WATER IN SNOWPACK

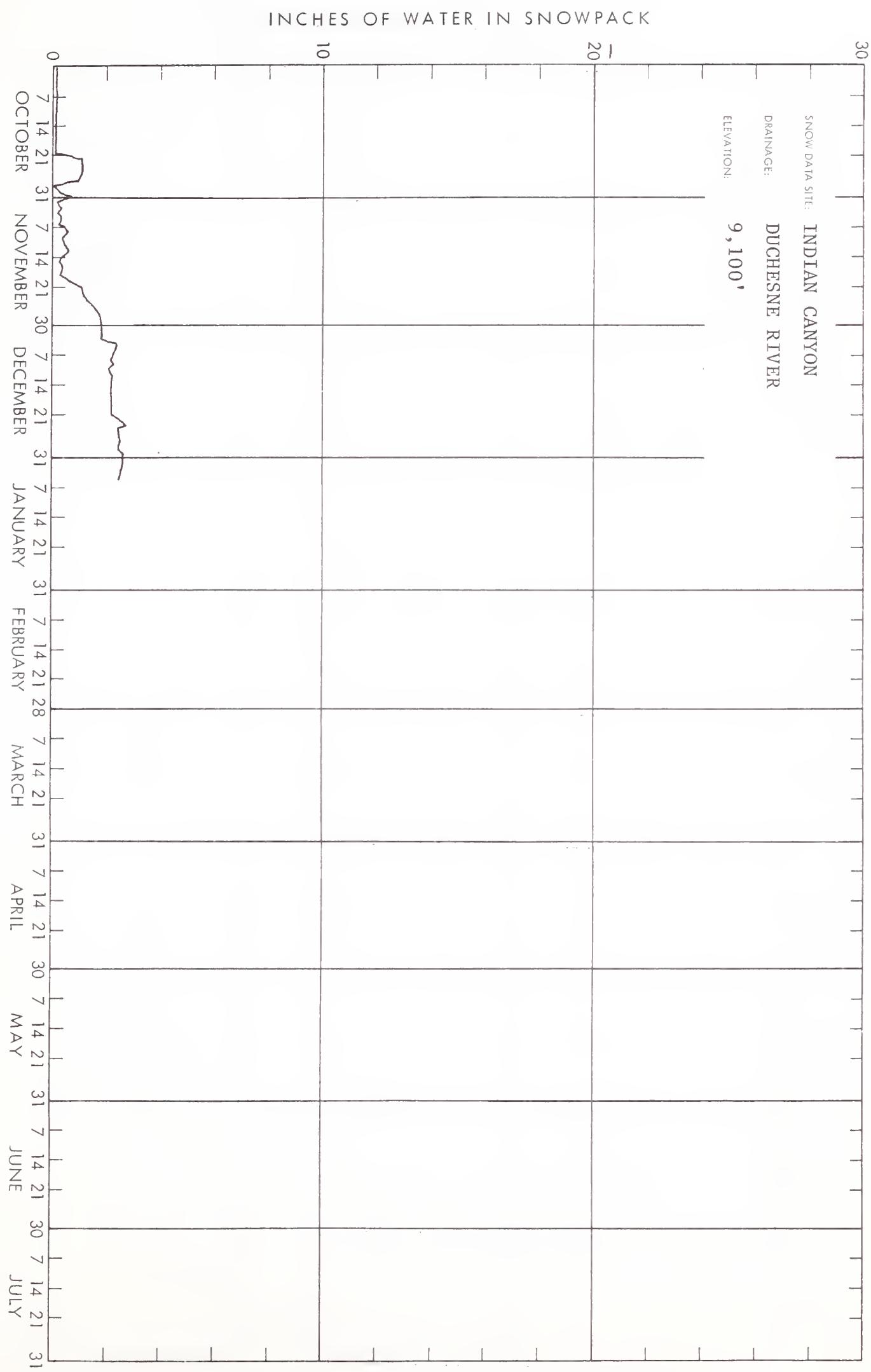


## INCHES OF WATER IN SNOWPACK



## INCHES OF WATER IN SNOWPACK





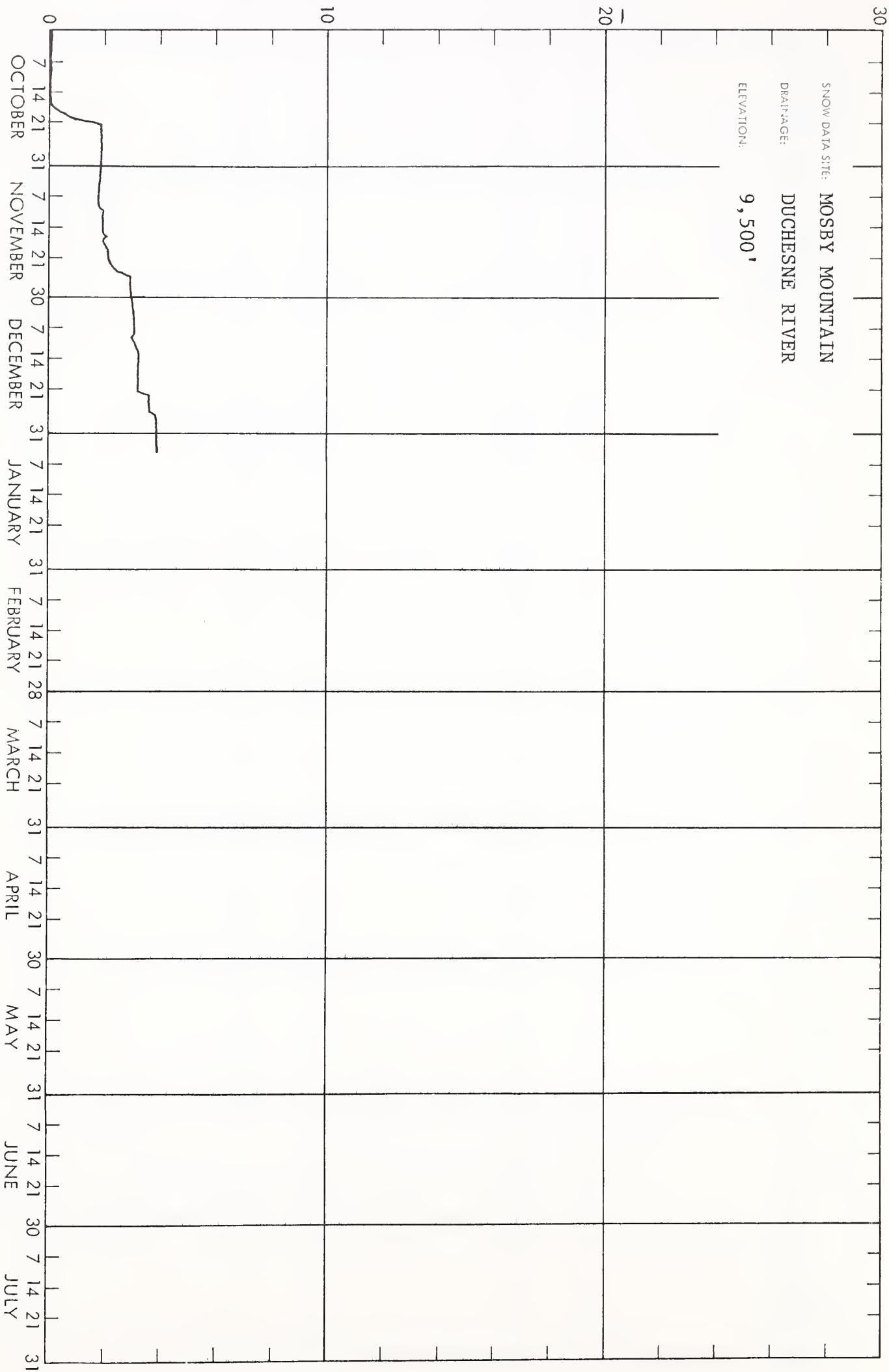
### INCHES OF WATER IN SNOWPACK

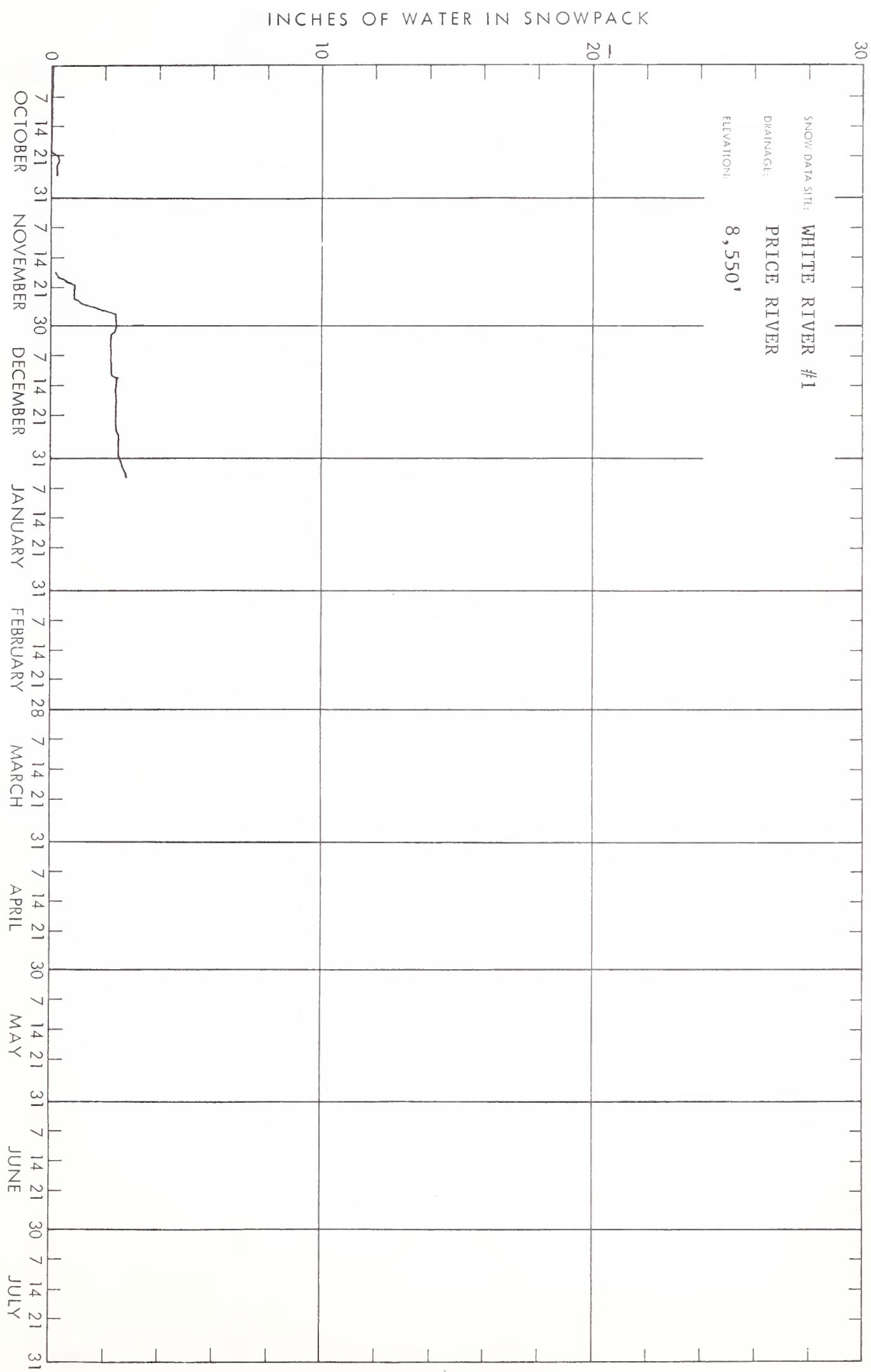
SNOW DATA SITE: MOSBY MOUNTAIN

## DRAINAGE: DUCHESSNE RIVER

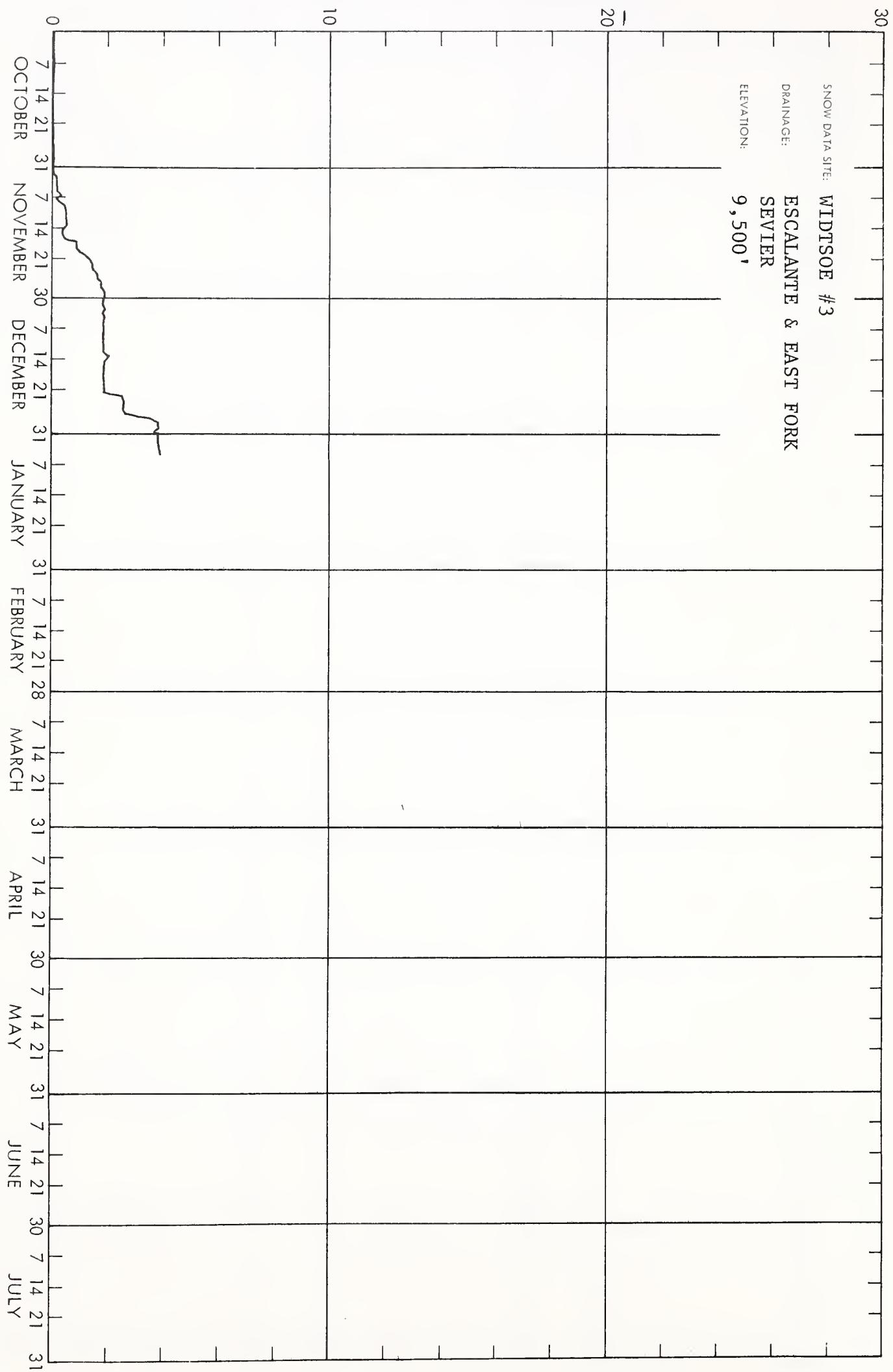
630

ELEVATION: 2,900





## INCHES OF WATER IN SNOWPACK



BEAR RIVER BASIN in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousands Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average †
<b>BEAR RIVER</b>					
Bear nr UT-Wyo. State Line	91	80	Apr-July	90	114
Bear nr Woodruff	80	54	Apr-July	68	148
Woodruff Crk nr Woodruff, UT	9.3	51	Apr-July		18.4b
Big Creek nr Randolph, Utah	2.0	48	Apr-July		4.2b
Bear nr Randolph	40	33	Apr-July	40	120
Thomas Fork nr UT-Wy State Ln	15	43	Apr-Sept		35
Smith's Fork nr Border, Wyo.	68	57	Apr-Sept		120
Bear at Harer, Idaho /	129	39	Apr-Sept		332
Logan nr Logan 1	91	77	Apr-July	92	118
Blacksmith Fork nr Hyrum	32	59	Apr-July	40	54
Little Bear nr Paradise	17.9	47	Apr-June	24	38
Cub River nr Preston, ID			Apr-Sept		52
1 - Observed flow corrected for change in storage and diversions					
2 - Provisional flows - Subject to correction					
b - Average of all past record less than 15 years					

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE		
			This Year	Last Year	Average †
BEAR RIVER	Bear Lake	1421.0	937.8	978.9	1035.4
	Woodruff Narrows	26.5	6.5	18.5e	18.1
LITTLE BEAR	Hyrum	15.3	10.1	10.2	10.4
	Porcupine	11.3	0.9	2.5	2.7

+ - 1963-77 15 year Average Period

e - estimated

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD	
	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches)
		Last Year	Average †	
Burts-Miller Ranch				
Cub River R.S.				
Emigrant Summit				
Franklin Basin				
Hayden Fork				
Klondike Narrows				

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEAR)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Monitored	THIS YEAR AS A PERCENT OF	
		AS YEAR	AVERAGE
BEAR RIVER	16	43	51
UPPER BEAR RIVER	3	45	51
LOWER BEAR RIVER	13	43	51
LOGAN RIVER	7	42	50
UPPER RAFT RIVER	-	-	-

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)		
	Forecast Range	Average	†
Bear River nr UT/WY Stateline			
Pig Creek nr Randolph			
Logan River nr Logan			
Woodruff Creek nr Woodruff			
Little Bear nr Paradise			

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD	
	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches)
		Last Year	Average †	
Little Bear Lower				
Little Bear Upper				
Monte Cristo				
Salt River Summit				
Stillwater Camp				
Tony Grove P.S.				

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousands Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
<u>WEBER-OGDEN RIVERS</u>					
Weber nr Oakley	81	78	Apr-June	82	104
Rockport Reservoir Inflow <sup>1</sup>	78	70	Apr-June	60	112
Chalk Creek at Coalville	25	64	Apr-June	13.5	39
Weber nr Coalville	70	57	Apr-June	49	123
Echo Reservoir Inflow	99	62	Apr-June		160
Lost Creek nr Croydon, Utah	12.0	69	Apr-June	15.5	17.4b
East Canyon Creek nr Morgan <sup>1</sup>	13.0	50	Apr-June	20	26
Hardscrabble Crk nr Porterville	13.0	69	Apr-June		18.8
Weber at Gateway	167	54	Apr-June	162	308
South Fork Ogden nr Huntsville	38	67	Apr-June	54	57
Pineview Reservoir Inflow <sup>2</sup>	83	72	Apr-June	124	115
<u>JORDAN RIVER &amp; SALT LAKE</u>					
Farmington Crk nr Farmington	6.1	75	Apr-July	7.0	8.1

1 - Observed flow corrected for change in storage and diversions  
 2 - Inflow record as computed by U.S. Bureau of Reclamation  
 3 - Provisional flows - Subject to Correction

## RESERVOIR STORAGE (Thousands Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average +
OGDEN	Causey	6.9	1.9	1.7	1.8b
	Pineview	110.1			
WEBER	East Canyon	48.1	27.6	35.0	26.6
	Echo	73.9	31.8	57.8	44.4
	Lost Creek	20.0	12.8	14.4	12.6
	Rockport	60.9	30.2	39.4	37.9
	Willard Bay	193.3	166.4	159.6	121.6b

## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average +
Beaver Creek R.S.					
Beaver Creek-Skunk Creek					
Ben Lomond Peak					
Ben Lomond Trail					
Chalk Creek #1					
Chalk Creek #2					
Dry Bread Pond					

## SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses	Average	COMPARISON WITH PREVIOUS YEARS	
			THIS YEAR	AVERAGE
OGDEN	3	41	58	
WEBER RIVER	8	52	64	

b - Average of all past record less than 15 years

## PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
South Fork Ogden nr Huntsville		
Chalk Creek nr Coalville		

## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average +
Horse Ridge					
Lost Creek Reservoir					
Monte Cristo					
Parleys Canyon Summit					
Sagebrush Flat					
Smith & Morehouse					
Trial Lake					

e - estimated

UTAH LAKE, JORDAN RIVER and TOOKELE VALLEY WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average <sup>†</sup>
<u>PROVO RIVER AND UTAH LAKE</u>					
Provo nr Hailstone <sup>1</sup>	80	78	Apr-July	102	
Provo below Deer Creek Dam <sup>1</sup>	96	80	Apr-July	120	
American Fork nr American Fork	24	77	Apr-July	31	
Hobble Creek or Springville			Apr-July		
Strawberry Reservoir Inflow	30	58	Apr-July	52	
Spanish Fork at Thistle			Apr-July		
Payson Creek nr Payson			Apr-July		
Utah Lake Inflow	207	85	Apr-July	244	
<u>JORDAN RIVER &amp; SALT LAKE</u>					
Little Cottonwood Crk nr SLC	31	81	Apr-July	38	
Big Cottonwood nr SLC	29	76	Apr-July	38	
Parley's Creek nr SLC	10.6	69	Apr-July	15.4	
Mill Creek nr SLC	5.4	86	Apr-July	6.3	
Emigration Creek nr SLC			Apr-July		
City Creek nr SLC			Apr-July		
<u>TOOKELE VALLEY</u>					
Vernon Creek nr Vernon	0.8	80	Mar-July	1.0	
Settlement Crk nr Tookele	issued	4/1	Apr-July		
<u>RESERVOIR STORAGE (Thousand Acre Feet)</u>					
	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average <sup>†</sup>
SPANISH FORK	Strawberry	270.0	152.6	157.4	147.8
UTAH LAKE	Utah Lake	883.9	647.6	742.1	639.3
	Settlement Creek	1.2	0.4	0.5	-
PROVO	Vernon Creek	0.6	0.5	0.5	-
	Deer Creek	149.7	88.7	87.6	107.3

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF
	Last Year	Average
PROVO RIVER & UTAH LAKE	6	50
JORDAN RIVER & SALT LAKE	4	51
TOOKELE VALLEY	2	47

1 - Observed flow corrected for change in storage and diversions  
2 - Provisional flows - Subject to correction  
a - Partly estimated

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average <sup>†</sup>
Hobble Creek nr Springville		Will be published March 1.
Spanish Fork nr Thistle		
Big Cottonwood nr Salt Lake City		

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD		
	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches) Last Year	Average <sup>†</sup>
Bevans Cabin					
Camp Altamont					
Clear Creek #1					
Clear Creek #2					
Clear Creek #3					
Daniels-Strawberry Summit					
Deseret Peak					
Dutchman R.S.					
Hobble Creek Summit					
Lambs Canyon #2					
Middle Canyon					
Mill Creek					

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD		
	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches) Last Year	Average <sup>†</sup>
Mill D South Fork					
Parleys Canyon Summit					
Payson R.S.					
Rocky Basin-Settlement Canyon					
Silver Lake Brighton					
Soapstone R.S.					
South Fork R.S.					
Timpanogos Divide					
Trial Lake					
Vernon Creek					

## UNTAH BASIN and DAGGETT SCD's in UTAH

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average <sup>†</sup>
<b>DUCHESNE RIVER</b>					
Duchesne nr Tabiona <sup>1</sup>	82	77	Apr-July	107	
Duchesne at Duchesne	140	72	Apr-July	193	
Strawberry at Duchesne	30	57	Apr-July	57	
Rock Creek nr Mtn. Home	76	80	Apr-July	95	
Currant Creek nr Fruitland	6.3	32	Apr-July	20	
Lakefork below Moon Lake <sup>1</sup>	53	72	Apr-July	55	72
Yellowstone nr Altonah	45	67	Apr-July	48	67
Duchesne at Myton <sup>1</sup>	131	62	Apr-July	210	
Whiterocks nr Whiterock	46	77	Apr-July	44	60
Uintah nr Neola	59	66	Apr-July	61	89
Duchesne at Randlett <sup>1</sup>	144	54	Apr-July	266	
West Fork Duchesne at Hanna	19.9	76	Apr-July	26	
<b>FLAMING GORGE TO DUCHESNE RIVER</b>					
Henry's Fork at Linwood	42	78	Apr-Sept	54	
Black's Fork at Millburne	93	101	Apr-July	92	
Flaming Gorge Inflow <sup>1</sup>	935	72	Apr-July	781	1292
Ashley Creek nr Vernal	40	78	Apr-July	39	51

## SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Cores Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
DUCHESNE RIVER - TOTAL	8	48	66
LAKEFORK-YELLOWSTONE CREEKS	1	36	34
STRAWBERRY RIVER	4	41	59
UINTAH - WHITEROCKS RIVERS	2	26	56
ASHLEY CREEK	1	74	104
BLACK'S FORK	-	-	-

1 - Observed flow corrected for change in storage and diversions  
2 - Provisional flows - Subject to correction

## RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average <sup>†</sup>
ASHLEY CREEK	Steinaker	33.3	12.2	10.0	19.0
GREEN RIVER	Flaming Gorge	3749.0		2673.3	-
LAKE FORK	Moon Lake	35.8	5.8	5.0	15.0
STRAWBERRY	Starvation	165.3	16.1	136.9	-
UINTAH	Bottle Hollow	11.3	10.2	9.5	9.8 <sup>b</sup>

## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Average <sup>†</sup>
Brown Duck Ridge					
Currant Creek					
Daniels-Strawberry					
Hewinta G.S.					
Hickerson Park					
Hole-in-the-Rock					
Hole-in-the-Rock G.S.					
Jackson Park					
Kings Cabin Upper					

## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Average <sup>†</sup>
Lakefork Mountain					
Mosby Mountain					
Paradise Park					
Rock Creek Ranch					
Spirit Lake					
Steel Creek Park					
Strawberry Divide					
Trout Creek					

e - estimated

## CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
PRICE RIVER					
Gooseberry Crk nr Scofield	30	83	Apr-July	10.1	
Scofield Reservoir Inflow			Apr-July	36	
Price nr Heiner			Apr-July		
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	40	86	Apr-July		
Cottonwood Crk nr Orangeville	43	98	Apr-July	49b	
Ferron Creek nr Ferron	34	100	Apr-July	44b	
MUDY CREEK				34	
Muddy Creek nr Emery	16.8	100	Apr-July		16.8
UPPER COLORADO BASIN					
Colorado nr Cisco, Utah					
Green at Green River, Utah	2400	81	Apr-July	4940	2716
Mill Creek nr Moab	5.3	104	Apr-July	2986	2974
Navajo Reservoir Inflow			Apr-July		5.1b
San Juan nr Bluff, Utah			Apr-July	608	
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	5.0	78	Apr-July		865
					6.4

## RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE		
			THIS YEAR	LAST YEAR	AVERAGE +
PRICE RIVER	Scofield	65.8	41.5	38.6	33.7
SAN RAFAEL	Huntington North	3.9	1.5	1.0	1.7
	Joe's Valley	54.6	32.8	35.1	35.1b
	Mill Site	16.7			-
SAN JUAN	Navajo	1696.0		1196.0	-

+ - 1963-77 15 Year Average Period

b - Average of all past record - less than 15 years

## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD		
	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches) Last Year	Average +
Buck Flat					
Puckboard Flat					
Camp Jackson					
Dills Camp					
Dry Valley Divide Alternate					
Huntington-Horseshoe					

## SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PRICE RIVER	2	49	67
SAN RAFAEL RIVER	3	63	83
FREMONT RIVER	-	-	-
LASAL MOUNTAINS	2	72	114
BLUE MOUNTAINS	-	-	-

 1 - Observed flow corrected for change in storage and diversions  
 2 - Provisional flows - Subject to correction

## PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Ferron Creek near Ferron		
Muddy Creek near Emery		

## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD		
	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches) Last Year	Average +
Mammoth-Cottonwood R.S.					
Monticello City Park					
Mud Creek					
Seeley Creek					
White River #1					
White River #3					

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD	
	FORECAST Thousands Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET
SEVIER RIVER			Last Year	Average +
Sevier at Hatch	35	85	Apr-July	101 <sup>e</sup>
Sevier nr Circleville			Apr-July	41
Sevier nr Kingston	19	84	Apr-July	29
Antimony Crk nr Antimony			Apr-July	80
East Fork Sevier nr Kingston	12.6	83	Apr-July	23
Sevier below Piute Dam	32	88	Apr-July	6.9
Clear Crk nr Sevier (abv Div)			Apr-July	60
Inflow			Apr-July	15.2
Kingston to Vermillion Dam			Mar-June	36
Vermillion Dam to Gunnison			Apr-June	17.8
Salina Creek at Salina			Apr-June	11.1
Sevier nr Gunnison	44	88	Apr-July	50
Chalk Creek nr Fillmore	16.7	108	Apr-July	15.5 <sup>b</sup>
Chicken Creek nr Levan	3.3	106	Apr-July	8.3
Oak Cr. nr Oak City	Data not available		Apr-July	3.1
				1.4
SAN PITCH RIVER			Apr-July	8.6
Ephraim Creek nr Ephraim			Apr-July	
Pleasant Crk nr Mt. Pleasant			Apr-July	
BEAVER RIVER				
Beaver nr Beaver	18.4	92	Apr-July	51
North Creek (Combined)	11.0	90	Apr-July	20
INTERSTATE RESERVOIR (thousand acre feet)	5.7	86	Apr-June	12.2 <sup>b</sup>
				6.6

b - Average of all past record - less than 15 years  
+ - 1963-77 15 Year Average Period  
e - Estimated

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
UPPER SEVIER RIVER	7	32	61
East Fork Sevier	2	36	90
South Fork Sevier	3	24	44
LOWER SEVIER	8	89	98
BEAVER RIVER	1	45	76

1 - Observed flow corrected for change in storage and diversions  
2 - Provisional flows - Subject to correction

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Sevier River at Hatch Sevier River nr Circleville Sevier River nr Kingston Clear Creek nr Sevier Salina Creek nr Salina Beaver River nr Beaver	Will be published March 1.	

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)
			Last Year	Average +
Big Flat				
Bryce Canyon				
Castle Valley				
Duck Creek				
Farnsworth Lake				
Gooseberry R.S.				

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)
			Last Year	Average +
Harris Flat				
Kimberly Mine				
Long Valley Junction				
Merchants Valley Upper				
Midway Valley				
Otter Lake				
Pickle Keg Springs				
Widtsoe-Escalante #3				

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

**STREAMFLOW FORECASTS**

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST Thousand Acre Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET Last Year	Average +
<b>VIRGIN RIVER</b>					
Virgin nr Hurricane Santa Clara nr Pine Valley			Apr-June Apr-June		
<b>COAL CREEK</b>					
Coal Creek nr Cedar City	12.6	75	Apr-July	-	16.7
<b>UPPER COLORADO</b>					
Lake Powell Inflow			Apr-July	10845	
2 - Provisional Flows - Subject to correction					

**RESERVOIR STORAGE (Thousand Acre Feet)**

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average +
COLORADO	Lake Powell	25002.0	15686.0	-	
	Blue Mesa	829.5	594.4	-	
b - Average of all past record - less than 15 years					
+ - 1963-77 15 year Average Period					

**SNOW**

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD		
	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches) Last Year	Average +
Birch Crossing					
Brian Head					
Harris Flat					
Kolob-Crystal					
Little Grassy					
Long Flat					

**SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)**

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
COAL CREEK	2	28	54
VIRGIN RIVER	3	31	63
PAROWAN CREEK	3	65	102
ENTERPRISE - NEW HARMONY	-	-	-

**PEAK FLOWS**

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Coal Creek nr Cedar City		
Virgin nr Virgin		

**SNOW**

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR		PAST RECORD		
	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches) Last Year	Average +
Long Valley Junction					
SUSC Ranch					
Tall Poles					
Webster Flat					
Yankee Reservoir					



## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches)		Date of Reeding	Month's Precipitation	CURRENT INFORMATION		FROM APPROX. OCT 1 TO DATE	
				Last Year	Average +			This Year	Average +	Percent of Average	
<b>GREAT BASIN</b>											
UPPER BEAR RIVER (Above Hailey, Idaho)											
Burts-Miller Ranch	12/28	10	2.0	--	--	12/28	--	--	4.54	--	--
CCC Camp	--	--	--	--	--	--	--	--	--	--	--
Hayden Fork	12/28	17	3.7	7.7a	--	12/28	--	--	7.88	--	--
Monte Cristo R.S.	12/26	23	4.6	8.7	--	12/26	--	--	8.67	11.07b	78
Salt River Summit	12/26	19	2.8	8.4	5.9	12/26	.93	--	5.19	7.17	72
Stillwater Camp	12/28	18	3.1	--	--	12/28	--	--	5.60	--	--
Lily Lake	12/28	24	4.6	--	--	--	--	--	--	--	--
LOWER REAR RIVER (Below Hailey, Idaho)											
Bug Lake	12/26	19	3.3	8.8	7.7a	12/31	--	--	8.1	--	--
Cub River R.S.	12/27	13	2.5	3.7	--	--	--	--	--	--	--
Emigrant Summit	12/27	24	5.2	10.8	9.4b	--	--	--	--	--	--
Franklin Basin	12/27	21	4.1	9.7	9.9b	12/31	--	--	9.9	--	--
Garden City Summit	12/26	14	2.9	9.9	6.9	--	--	--	--	8.06	--
Klondike Narrows	12/27	17	3.1	8.0	7.1	12/27	--	--	7.87	--	--
Little Bear (lower)	12/27	11	1.8	6.1	--	--	--	--	--	--	--
Little Bear (upper)	12/27	12	2.2	6.9	5.8b	12/31	--	--	7.10	--	--
Slug Creek Divide	12/26	18	3.7	6.9	7.5b	--	--	--	--	--	--
Steep Hollow #1	12/27	32	8.1	14.3	13.6	--	--	--	--	--	--
Steep Hollow #2	12/27	21	4.5	10.3	9.1	--	--	--	--	--	--
Tony Grove Lake	12/27	29	7.4	16.4	12.5b	--	--	--	11.00	--	--
Tony Grove R.S.	12/27	12	1.7	7.1	4.1	12/27	--	--	6.55	--	--
Willow Flat	12/27	16	3.4	8.1	--	12/27	.38	--	7.14	10.14b	70
<b>OGDEN RIVER</b>											
Beaver Creek-Skunk Creek	12/26	13	3.7	5.9	--	--	--	--	--	--	--
Ben Lomond Peak	12/27	27	6.8	16.0	12.4	12/31	--	--	10.20	--	--
Ben Lomond Trail	12/27	18	3.7	11.1	5.6b	12/27	--	--	10.75	12.95b	83
Causey Dam	--	--	--	--	--	12/26	--	--	6.03	6.62b	92
Dry Bread Pond	12/26	15	3.9	7.8	6.9b	12/31	--	--	14.40	--	--
Sagebrush Flat	12/26	8	1.9	4.2	--	12/26	--	--	6.29	--	--
<b>WEBER RIVER</b>											
Beaver Creek R.S.	12/26	8	1.4	8.8	3.6	--	--	--	--	--	--
Chalk Creek #1	12/28	32	7.1	11.6	9.3b	12/31	--	--	9.90	--	--
Chalk Creek #2	12/28	27	5.9	5.7	6.6b	12/31	--	--	6.70	--	--
Chalk Creek #3	12/28	15	2.7	3.3	--	12/28	--	--	6.00	--	--
Farmington Canyon (lower)	12/26	27	6.1	12.4	9.3b	12/26	.80	--	7.85	13.14	60
Farmington Canyon (upper)	12/26	28	6.6	13.1	12.9b	--	--	--	--	--	--
Farmington G.S.	--	--	--	--	--	11/29	--	--	7.45	13.12b	57
Horse Ridge	12/26	20	4.7	10.9	7.9b	12/26	--	--	8.41	--	--
Kilfoil Creek	12/26	18	3.4	8.5	--	--	--	--	--	--	--
Lost Creek Reservoir	12/26	0	0.0	4.2	--	12/26	--	--	4.63	--	--
Park City Summit	1/3	22	5.0	12.2	--	--	--	--	--	--	--
Parley's Canyon Summit	12/27	21	4.7	7.6	7.9	12/27	--	--	7.24	10.49	69
Redden Mine (lower)	12/26	21	3.9	--	--	12/26	--	--	6.02	--	--
Smith & Morehouse	12/28	18	3.5	6.5	5.2	12/28	--	--	6.19	8.35	74
<b>PROVO RIVER &amp; UTAH LAKE</b>											
Beaver Creek Divide	12/28	14	2.6	--	6.2b	12/31	--	--	4.90	--	--
Camp Altamont	12/28	11	2.0	10.6	6.5	--	--	--	--	--	--
Clear Creek Ridge #1	12/29	25	6.4	9.0	7.2b	--	--	--	7.20	--	--
Clear Creek Ridge #2	12/29	24	5.6	7.9	5.8b	12/29	--	--	6.57	--	--
Clear Creek Ridge #3	12/29	11	2.4	5.1	--	--	--	--	--	--	--
Dutchman R.S.	12/28	15	3.3	9.8	--	--	--	--	--	--	--
Hobble Creek Summit	12/29	15	3.1	9.7	--	12/29	--	--	5.92	--	--
Payson R.S.	12/28	27	6.9	8.2	8.0	12/28	--	--	7.94	8.74	91
Soapstone R.S.	12/26	13	2.3	--	5.3	12/26	--	--	5.40	7.77	69
South Fork R.S.	12/28	7	1.4	--	2.6	--	--	--	--	--	--
Timpanogos Cave Camp	12/28	0	0.0	--	1.2	--	--	--	--	--	--
Timpanogos Divide	12/28	14	3.0	15.5	10.8	12/28	.80	5.23	6.00	12.46	42
Trial Lake	12/26	30	7.0	10.7a	10.3	12/26	--	--	7.72	11.49	67

## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	Average †	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
<b>JORDAN RIVER &amp; GREAT SALT LAKE</b>											
Bevan's Cabin											
Lamb's Canyon #2	Not Measured										
Middle Canyon	12/27	19	3.9	7.1	--	12/27	--	--	6.18	--	--
Mill Creek	12/28	15	4.2	7.6	6.1b	12/28	--	--	5.77	--	--
Mill D South Fork	12/28	22	5.1	7.5	--	--	--	--	--	--	--
Mt. Dell Dam	12/28	18	4.3	8.4	8.2	--	--	--	--	--	--
Rocky Basin-Settlement Canyon	Not Measured					1/2	.31	--	3.03	--	--
Silver Lake (Brighton)	12/28	23	6.4	11.4	10.3	10/28	--	--	1.18	--	--
Snow Bird (Gad Valley)	12/30	26	5.8	--	--	12/28	.82	4.98	7.17	12.67	57
Vernon Creek	12/28	12	3.3	8.5	4.7b	12/28	--	--	3.30a	--	--
<b>UPPER SEVIER RIVER</b> (South of Richfield, Utah)											
Box Creek	12/27	21	4.0	10.6	4.6b	12/27	--	--	5.02	--	--
Bryce Canyon	12/28	9	1.2	4.6	2.1	--	--	--	--	--	--
Castle Valley	12/27	24	4.3	10.8	5.6b	12/27	--	--	4.56	--	--
Duck Creek R.S.	12/30	11	1.7	9.8	5.2	12/30	--	--	4.28	8.03	53
Farview	12/28	19	1.9	6.3	--	--	--	--	--	--	--
Harris Flat	12/30	8	1.2	7.2	3.0	12/31	--	--	3.00a	--	--
Kimberly Mine	12/27	25	4.7	9.2	6.2	12/27	--	--	6.22	8.07	77
Midway Valley	12/30	20	4.5	14.4	8.5	12/30	--	--	4.85	--	--
Panguitch Lake	12/27	10	1.8	6.2	--	12/27	--	--	2.71	--	--
Rainbow Point	12/28	16	1.8	10.0	--	--	--	--	--	--	--
Squaw Springs	12/27	15	3.5	6.3	--	--	--	--	--	--	--
<b>LOWER SEVIER RIVER</b> (Including San Pitch River)											
Beaver Dams	12/28	17	4.4	5.5	4.2b	12/28	--	--	5.73	5.84b	98
Farnsworth Lake	12/30	35	9.4	7.0	8.0	12/30	--	--	9.84	8.55	115
G.B.R.C. Headquarters	12/28	29	6.1	7.5	6.8	12/28	--	--	9.15	8.54	107
G.B.R.C. Majors	12/28	34	8.8	10.3	9.0b	12/28	.60	--	5.20	4.23b	123
G.B.R.C. Meadows						12/28	--	--	9.34	10.14	92
G.B.R.C. Oaks	12/30	25	6.2	5.2	5.3	12/28	.83	--	6.21	5.80	107
Gooseberry R.S.	12/29	23	5.9	9.6	7.9	12/29	--	--	7.21	--	--
Mammoth-Cottonwood Creek	Not Measured					--	--	--	5.90a	--	--
Middle Fork	12/28	32	7.6	10.4	9.2	12/28	3.2	--	7.60a	7.97b	95
Mt. Baldy R.S.	Not Measured					10/29	--	--	2.47	--	--
Oak Creek	12/28	28	7.0	6.9a	6.4b	12/28	--	--	8.00a	--	--
Pickle Keg Springs	12/27	28	7.2	8.8	--	12/27	--	--	8.43	--	--
Pine Creek	12/28	25	5.0	6.8	--	12/28	--	--	6.06	--	--
Ree's Flat	Not Measured					--	--	--	8.15b	--	--
Shingle Mill	Not Measured					--	--	--	--	--	--
Thistle Flat	Not Measured					--	--	--	--	--	--
<b>BEAVER RIVER</b>											
Beaver Canyon Power House	--	--	--	--	--	1/2	1.24	1.73	--	3.39	--
Beaver Race Track	--	--	--	0.0	--	--	--	--	--	--	--
Big Flat	12/27	24	4.5	10.0	5.9b	12/27	--	--	4.45	--	--
Merchant's Valley (upper)	12/27	19	3.5	7.0	--	12/27	--	--	4.04	--	--
Otter Lake	12/27	19	3.8	8.2	--	--	--	--	--	--	--
<b>PAROWAN CREEK</b>											
Birch Crossing	12/28	19	4.4	5.4	3.2b	--	--	--	--	--	--
Brian Head	12/27	34	6.5	14.0	8.8b	--	--	--	--	--	--
Tall Poles	12/28	31	6.8	8.4	6.0b	12/28	--	--	6.70	7.28b	92
Yankee Reservoir	12/27	23	4.7	7.6	--	12/27	--	--	6.04	--	--
<b>ENTERPRISE TO NEW HARMONY DRAINAGES</b>											
Little Grassy Creek	12/30	1	0.2	5.4	--	12/30	--	--	2.61	--	--
Long Flat	12/30	8	1.8	6.6	--	12/30	--	--	3.87	--	--
<b>COAL CREEK</b>											
Cedar City Golf Course	--	--	--	0.0	--	--	--	--	--	--	--
SUSC Ranch	12/28	7	1.0	7.8	3.4b	--	--	--	--	--	--

## SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Data of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	Average $\pm$	Data of Reading	Month's Precipitation	Average $\pm$	This Year	Average $\pm$	Percent of Average
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A)	Not Measured					--	--	--	--	--	--
Black's Fork G.S.-East Fork	12/28	15	3.4	--	--	12/28	--	5.30	--	--	--
Black's Fork Junction	12/28	21	4.3	--	--	12/28	--	6.00	--	--	--
Buck Pasture (A)	Not Measured					--	--	--	--	--	--
Burnt Creek	12/26	17	4.1	4.2	2.1b	12/26	--	6.70	4.49b	149	
Dutch John Junction	12/26	23	4.3	3.8	--	--	--	--	--	--	--
Grizzly Ridge	12/26	24	5.3	7.1	--	12/26	--	6.88	6.31b	109	
Hewinta G.S.	12/28	21	3.9	--	--	12/28	--	6.38	--	--	--
Hickerson Park	--	--	--	--	--	--	--	--	--	--	--
Highline Trail	--	--	--	--	--	--	--	--	--	--	--
King's Cabin (upper)	12/28	25	5.2	7.0a	--	12/28	--	6.00	--	--	--
Reynolds Park (A)	Not Measured					--	--	--	--	--	--
Spirit Lake	12/28	31	6.0	--	--	12/28	--	7.11	--	--	--
Steel Creek Park	12/28	31	6.6	--	--	12/28	--	6.60 a	--	--	--
Trout Creek	12/28	25	4.6	6.7a	--	12/28	--	6.10	--	--	--
Windy Park (A)	--	--	--	--	--	--	--	--	--	--	--
DUCESNE RIVER											
Atwood Lake (A)	Not Measured					--	--	--	--	--	--
Brown Duck Ridge	12/26	23	5.0	6.8a	7.5b	12/26	--	5.00	--	--	--
Chepeta-Whiterocks (A)	Not Measured					--	--	--	--	--	--
Currant Creek	12/29	11	2.3	6.5	4.0b	12/29	--	4.17	--	--	--
Daniels-Strawberry Summit	12/29	15	2.9	8.3	5.6	12/29	--	6.29	8.44	75	
East Portal	12/31	14	3.0	6.8	4.5	12/31	.77	2.91	7.80	37	
Five Points Lake (A)	Not Measured					--	--	--	--	--	--
Indian Canyon	12/29	13	2.6	10.0	5.2	12/29	--	3.35	6.28	53	
Jackson Park	12/26	18	3.4	--	--	12/26	--	3.95	--	--	--
Lakefork Basin (A)	Not Measured					--	--	--	--	--	--
Lakefork Mountain	12/26	11	2.0	5.6a	5.8b	12/26	--	3.70	--	--	--
Lakefork Mountain #3	12/26	9	1.5	--	--	--	--	--	--	--	--
Lightning Lake (A)	Not Measured					--	--	--	--	--	--
Mosby Mountain	12/26	13	1.8	6.9a	4.2	12/26	--	4.15	6.59b	63	
Paradise Park	12/26	18	3.6	--	5.4	12/26	--	4.05	8.26	49	
Rock Creek Ranch	12/26	6	1.0	--	--	12/26	--	2.97	--	--	--
Strawberry Divide	12/31	23	4.8	10.4	7.8	12/31	.77	6.60	--	--	--
PRICE RIVER											
Dry Valley Divide Alternate	Not Measured					--	--	--	--	--	--
Mud Creek	12/29	18	4.1	6.7	5.7	12/29	--	5.42	--	--	--
White River #1	12/29	14	3.3	8.5	5.4b	12/29	--	4.30	6.50	66	
White River #3	12/29	12	3.0	4.8	--	--	--	--	--	--	--
SAN RAFAEL RIVER											
Buck Flat	12/28	24	5.4	7.2	6.1b	12/28	--	6.15	6.30	98	
Huntington-Horseshoe	12/29	29	8.1	10.5	--	--	--	--	--	--	--
Orange Olsen	12/28	9	2.6	2.5	--	12/28	--	2.60a	--	--	--
Red Pine Ridge	12/29	22	5.0	8.0	5.6b	12/29	--	5.60	--	--	--
Seeley Creek R.S.	12/28	18	4.5	7.4	6.2b	12/28	--	--	--	--	--
Stuart R.S.	12/29	12	3.0	4.2	--	12/29	--	3.00a	--	--	--
Upper Joe's Valley	12/29	15	2.9	5.0	--	--	--	--	--	--	--
Wrigley Creek	12/28	13	2.8	5.6	--	--	--	--	--	--	--
MUDDY RIVER											
Black's Fork	12/28	19	3.9	--	--	--	--	--	--	--	--
Dill's Camp	12/28	16	3.6	5.5	4.6b	12/28	--	5.10	--	--	--
FREMONT RIVER											
Black's Flat-U.M. Creek	12/30	19	4.3	4.0	--	12/30	--	4.86	--	--	--
Fish Lake	12/30	9	2.0	2.0	--	12/30	--	3.04	5.02b	61	
Johnson Valley	12/30	12	2.8	2.7	--	--	--	--	--	--	--

**SNOW**

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Data of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches)	
				Last Year	Average +
<b>SOUTHEASTERN UTAH DRAINAGES</b>					
Buckboard Flat	1/2	29	6.3	14.2	--
Camp Jackson	1/2	28	6.2	11.8	--
LaSal Mountain (lower)	1/3	22	4.8	5.6	3.6b
LaSal Mountain (upper)	1/3	31	5.6	8.8	5.5b
Monticello City Park	1/4	12	2.2	4.4	--
<b>ESCALANTE RIVER</b>					
Widtsoe-Escalante #3	12/30	19	4.9	11.2	4.5
<b>VIRGIN RIVER</b>					
Kolob-Crystal	12/30	23	5.3	15.6	--
Long Valley Junction	12/30	7	1.0	7.8	1.5
Webster Flat	12/30	19	4.4	11.2	6.6

a - Partly Estimated

b - Average of past record in average period

+ - 1963-77 15 year average period

(A) - Aerial Marker Reading

**PRECIPITATION (Inches)**

Data of Reading	Month's Precipitation	Average +	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
			This Year	Average +	Percent of Average			
1/2	--	--	7.95	--	--			
1/2	--	--	7.22	--	--			
--	--	--	--	--	--			
1/3	--	--	6.20	--	--			
--	--	--	--	--	--			
12/30	--	--	4.93	6.01	82			
12/31	--	--	3.10	--	--			
--	--	--	--	--	--			
12/30	--	--	5.79	8.14	71			

# Agencies Cooperating in Utah Snow Surveys

## U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture  
Soil Conservation Service  
Forest Service  
U.S. Department of Commerce  
NOAA, National Weather Service  
U.S. Department of Interior  
Bureau of Reclamation  
Geological Survey  
National Park Service

## STATE AGENCIES

Utah State Department of Natural Resources,  
Division of Water Resources and Division of  
Wildlife Resources  
Bear River Commissioner  
Price River Commissioner  
Provo River Commissioner  
Sevier River Commissioners  
Spanish Fork River Commissioner  
Utah Lake and Jordan River Commissioner

## MUNICIPALITIES

Manti  
Salt Lake City

## ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association  
Board of Canal Presidents - Jordan River  
Emery Canal and Reservoir Company  
Moon Lake Water Users Association  
Ogden River Water Users Association  
Provo River Water Users Association  
Strawberry Water Users Association  
Sevier River Water Users Association  
Weber River Water Users Association  
Weber River Water Conservarvacy District

## PRIVATE AGENCIES

Kaiser Steel Corporation



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